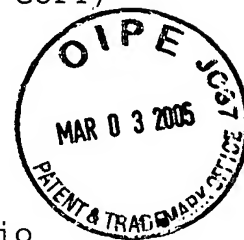


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~~CINERARIA~~SENECIO PLANT NAMED 'SUNSENERAPI'

BOTANICAL/COMMERCIAL CLASSIFICATION

*Senecio cruentus* x *Senecio heritieri*/~~Cineraria~~Senecio  
Plant

5 VARIETAL DENOMINATION

cv. 'Sunsenerapi'

#### BACKGROUND OF THE VARIETY

The present invention relates to a new and distinct variety of *Senecio* ~~genus~~ plant named 'Sunsenerapi'.

10 'Sunsenerapi' is a distinct and unique variety, which is a dome-shaped plant ~~of height~~ with abundant branching, light purplish pink flowers, and a long blooming term.

There are many varieties ~~[[in]]~~of *Senecio* L. ~~*Senecio cruentus* is well known as 'Cineraria' and~~ cultivated in the  
15 world. There are many cultivated varieties with flowers of a single color of white, pink, red, blue or violet. Some varieties have marginal variegation with off color parts.

The female parent used in the crossing of 'Sunsenerapi' is a clone of our own breeding line, *Senecio cruentus*, '8S-  
20 84e' (not patented in the United States), which is a compact, dome-shaped plant, 16 cm in height. The stems are thick, 8.0 mm in diameter, with no anthocyanin coloration. The leaf is ~~of~~in a serrated heart form and moderate yellow green. The leaf size is medium, approximately 12.0 cm long~~[[,]]~~ and  
25 approximately 12.5 cm wide. The ~~flower~~capitulum is single flowered and has white ~~petals~~ray florets with white disk ~~flowers~~florets having no marginal variegation. '8S-84e' has some scent.

The pollen parent used in the crossing of 'Sunsenerapi' is our breeding line (unnamed plant), *Senecio heritieri* (not  
30 patented or sold in the United States), which was originally introduced from England ~~at first~~. *Senecio heritieri* is a high and dome-shaped plant, approximately 26 cm in height with

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abundant branching. Stems are approximately 5.1 mm in diameter, with no anthocyanin coloration. The leaf is in a serrated heart form and light yellowish green. The leaf size is small, approximately 5.5 cm long, approximately 6.3 cm wide. The ~~flower~~capitulum is single flowered, having strong purple ~~petals~~ray florets with vague white parts and strong reddish purple disk ~~flowers~~florets. *Senecio heritieri* has no scent.

~~Progress~~

The controlled crossing with a plant of *Senecio cruentus* '8S-84e' and a plant of *Senecio heritieri* was conducted at Omori-cho, Yokaichi-shi, Shiga, Japan in February, 1999. Seedlings from this crossing were grown since September, 1999. Four strains were selected in January 2000 among them in view of flower color and earliness. After multiplication by tissue culture, the botanical characteristics of the selected new strains were tested in pots since September 2000, using parent varieties and 'Sunsenere' (U.S. Plant Patent Number patented in the United States: No. PLANT12162, at 23-Oct-2001) and 'Midget' (not patented in the United States) for comparison, since 2000. As a result, one strain was selected. ~~and it is confirmed that the instant plant reproduces true to type in successive generations of asexual reproduction selected variety met our criteria of being uniform and stable in its characteristics.~~

~~Then this new variety of *Senecio* genus plant was named 'Sunsenerapi' (*Senecio cruentus* x *Senecio heritieri*).~~

The new variety of *Senecio* plant was asexually reproduced by cuttings at Omori-cho, Yokaichi-shi, Shiga-ken, Japan.

*Senecio cruentus*, '8S-84e', and *Senecio heritieri* are presently maintained at ~~the~~ Omori-cho, Yokaichi-shi, Shiga-ken, Japan.

In the following descriptions, the color-coding is in accordance with the Horticultural Colour Chart of the Royal

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Horticultural Society, London, England (R.H.S. Colour Chart).

The botanical characteristics of the female parent plant *Senecio cruentus*, '8S-84e', used in the crossing of 'Sunsenerapi' are as follows.

5 Plant:

Growth habit - Dwarf compact

Height - Approximately 16 cm

Stem:

Thickness - Approximately 8.0 mm

10 Color - Moderate yellowish green (near R.H.S.C.C. No. 139C)

Anthocyanin coloration - Absent

Branching - Fair

Pubescence - Sparse

15 ~~Length of third internode below flag leaf~~ Internode length at the middle of main stem - Approximately 0.5 cm

Leaf:

20 Whole shape - Heart form with a swollen basal part, which is notched ~~[[at]]~~ where the basal part of the blade attaches to the petiole.

Depth of concavity of leaf margin - Medium

Type of convexity - Acute

Apex shape - Obtuse

Base shape - Cordate

25 Degree of Undulation - Fair

Length - Approximately 12.0 cm

Width - Approximately 12.5 cm

Diameter of petiole - Approximately 5.0 mm

Length of petiole - Approximately 5.5 cm

30 Color of upper surface - Moderate yellow green (near R.H.S.C.C. No.137C)

Color of reverse surface - Grayish yellow green (near R.H.S.C.C. No.138B)

Anthocyanin coloration of reverse surface - Absent

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Pubescence of upper surface - Present

Pubescence of reverse surface - Dense

Color of pubescence of reverse surface - White

Flower ~~(Single flowered cluster~~ (Gathering of corymbs) :

5 Shape of flower cluster - Flat

Diameter of flower cluster - Approximately 20 cm

Height of flower cluster - Approximately 8 cm

Capitula

Transected shape of ~~corolla~~ capitula - Flat

10 Diameter of ~~flower~~ capitula - Approximately 5.5 cm

~~Size~~ Diameter of disk flower entire capitula -  
Approximately 1.2 cm

Color of ~~petal~~ ray floret - White (near R.H.S.C.C.  
No.155D)

15 Marginal variegation - Absent

Color of disk ~~flower~~ floret - White (near R.H.S.C.C.  
No.155D)

~~Petal~~ Ray floret length - Approximately 2.1 cm

~~Petal~~ Ray floret width - Approximately 1.0 cm

20 Shape of ~~petal~~ ray floret - Elliptical

Lengthwise warp of ~~petal~~ ray floret - Flat

Concavity of ~~petal~~ ray floret tip - Present

Shape of ~~petal~~ ray floret tip - Rounded

Number of ray ~~flower~~ floret - Approximately 13

25 Number of disk ~~flower~~ floret - Approximately 105

Diameter of pedicel of the first ~~flower~~ capitulum -  
Approximately 1.6 mm

Length of pedicel of the first ~~flower~~ capitulum -  
Approximately 2.4 cm

30 Number of ~~flowers~~ capitula per a ~~flower cluster~~ plant -  
approximately 75

Scent - Present

Galyx\*Phyllaries:

~~—— Degree of concavity ——~~ Flat

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~~Degree of recurvature~~Length - Approximately 2.2 mm  
Color - Moderate yellow green (near ~~R.H.S.C.C.~~ No.139C)  
Anthocyanin coloration - Absent

Pistil:

5 Color - Light yellow (near ~~R.H.S.C.C.~~ No.11B)  
Number - 1  
Type - Style branches truncate (i.e., the top of the style is separated in[[to]] two and the shape of the top is truncated)

10 Stamen:

Color - Brilliant yellow (near ~~R.H.S.C.C.~~ No.12B)  
Type - 5 anthers are connate, with separated filaments  
Blooming period - January (Sowing in August)

Hardiness:

15 Cold - Good  
Rain - Good  
Heat - Good

Resistance:

Disease - Good  
20 Insect - Good

The botanical characteristics of the male parent plant *Senecio heritierii* used in the crossing of 'Sunsenerapi' are as follows.

Plant:

25 Growth habit - Dwarf compact  
Height - Approximately 26 cm

Stem:

Thickness - Approximately 5.1 mm  
Color - Very pale green (near ~~R.H.S.C.C.~~ No.128D)  
30 Anthocyanin coloration - Absent  
Branching - Abundant  
Type of primary lateral shoot - Branch from every node  
Pubescence - Dense

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~~Length of third internode below flag leaf~~ Internode length at the middle of main stem - Approximately 0.8 cm

Leaf:

5 Whole shape - Heart form with a swollen basal part, which is notched [[at]] where the basal part of the blade attaches to the petiole.

Depth of concavity of leaf margin - Medium

Type of convexity - Acute

Apex shape - Obtuse

10 Base shape - Cordate

Degree of Undulation - Weak

Length - Approximately 5.5 cm

Width - Approximately 6.3 cm

Diameter of petiole - Approximately 4.2 mm

15 Length of petiole - Approximately 7.5 cm

Color of upper surface - Light yellowish green (near R.H.S.C.C. No.136D)

Color of reverse surface - Very pale green (near R.H.S.C.C. No.128D)

20 Anthocyanin coloration of reverse surface - Absent

Pubescence of upper surface - Dense

Pubescence of reverse surface - Dense

Color of pubescence of reverse surface - White

Flower cluster (Gathering of corymbs~~(Single flowered)~~):

25 Shape of flower cluster - Uneven

Diameter of flower cluster - Approximately 18 cm

Height of flower cluster - Approximately 15 cm

Capitula:

Transected shape of ~~corolla~~ capitula - Flat

30 Diameter of ~~flower~~ capitula - Approximately 4.8 cm

~~Size~~ Diameter of entire disk flower - Approximately 0.9 cm

Color of ~~petal~~ ray floret - Strong purple (near R.H.S.C.C. No.81B)

Marginal variegation - Present

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- Diameter of off color part - Approximately 1.3 cm  
Border of marginal variegation - Vague  
Color of disk ~~flower~~floret - Strong reddish purple (near  
R.H.S.C.C. No.72A)
- 5      ~~Petal~~Ray ~~floret~~ length - Approximately 2.2 cm  
      ~~Petal~~Ray ~~floret~~ width - Approximately 0.4 cm  
      Shape of ~~petal~~ray ~~floret~~ - Rectangular  
      Lengthwise warp of ~~petal~~ray ~~floret~~ - Flat  
      Concavity of ~~petal~~ray ~~floret~~ tip - Present
- 10     Shape of ~~petal~~ray ~~floret~~ tip - Acute  
      Number of ray ~~flower~~floret - Approximately 13  
      Number of disk ~~flower~~floret - Approximately 110  
      Diameter of pedicel of the ~~first flower~~capitulum -  
      Approximately 1.2 mm
- 15     Length of pedicel of the ~~first flower~~capitulum -  
      Approximately 2.5 cm  
      Number of ~~flowers~~capitula per a ~~flower cluster~~plant -  
      Approximately 35  
      Scent - Absent
- 20     ~~Calyx~~Phyllaries:  
      ~~Degree of concavity~~ - Flat  
      ~~Degree of recurvature~~Length - Approximately 3.1 mm  
      Color - Very pale green (near R.H.S.C.C. No.128D)  
      Anthocyanin coloration - Present
- 25     Pistil:  
      Color - Strong reddish purple (near R.H.S.C.C. No.72A)  
      Number - 1  
      Type - Style branches truncate (i.e., the top of the  
30     style is separated in[[to]] two and the shape of the top is  
      truncated)
- Stamen:  
      Color - Strong reddish purple (near R.H.S.C.C. No.72A)  
      Type - 5 anthers are connate, with separated filaments  
      Blooming period - End of January (Sowing in August)

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Hardiness:

Cold - Good

Rain - Good

Heat - Good

5 Resistance:

Disease - Good

Insect - Good

The botanical characteristics of a similar variety  
'Sunsenere' (*Senecio cruentus* x *Senecio heritieri*) which was  
10 patented in the United States, used for examination as a  
comparison variety are as follows.

Plant:

Growth habit, - Semi-dwarf erect

Height - Approximately 25 cm

15 Stem:

Thickness - Approximately 5.0 mm

Color - Moderate yellowish green (near R.H.S.C.C.

No.139C)

Anthocyanin coloration - Present in parts of stem, e.g.,  
20 can be seen at the part of peduncle.

Degree of anthocyanin coloration - It is light grayish  
olive (near R.H.S.C.C. No.197A) at the part wherein  
anthocyanin is present, but it is moderate yellowish green  
(near R.H.S.C.C. No.138C) at the part where anthocyanin is  
25 absent.

Branching - Abundant, i.e., approximately 9 to 11  
branches

Type of primary lateral shoot - Branch from every node

Pubescence - Sparse

30 ~~Length of third internode below flag leaf~~ Internode length  
at the middle of main stem - Approximately 1.0 cm

Leaf:

Whole shape - Heart form with a swollen basal part, which



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is notched [[at]] where the basal part of the blade attaches to the petiole.

Depth of concavity of leaf margin - The maximum depth of concavity measured from the average convexity peak height is approximately 7 mm.

Type of convexity - Acute

Apex shape - Obtuse

Base shape - Cordate

Degree of Undulation - Weak

Length - Approximately 8.6 cm

Width - Approximately 10.3 cm

Diameter of petiole - Approximately 3.2 mm

Length of petiole - Approximately 9.0 cm

Color of upper surface - Moderate yellow green (near

R.H.S.C.C. No.137C)

Color of reverse surface - Moderate yellow green (near

R.H.S.C.C. No.138C)

Anthocyanin coloration of reverse surface - Absent

Pubescence of upper surface - Dense

Pubescence of reverse surface - Dense

Color of pubescence of reverse surface - White

Flower cluster (~~Gathering of corymbs~~Single flowered):

Shape of flower cluster - Uneven

Diameter of flower cluster - Approximately 34 cm

Height of flower cluster - Approximately 22 cm

#### Capitula

Transected shape of ~~corolla~~capitula - Flat

Diameter of ~~flower~~capitula - Approximately 6.4 cm

~~Size~~Diameter of entire disk flower - Approximately 1.3 cm

Color of ~~petal~~ray floret - Vivid reddish purple (near

R.H.S.C.C. No.78A)

Marginal variegation - Absent

Color of disk ~~flower~~floret - Deep reddish purple (near

R.H.S.C.C. No.80A)

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- PetalRay floret length - Approximately 2.6 cm  
PetalRay floret width - Approximately 0.8 cm  
Shape of petalray floret - Rectangular  
Lengthwise warp of petalray floret - Flat  
5      Concavity of petalray floret tip - Present  
Shape of petalray floret tip - Acute  
Number of ray flowerfloret - Approximately 15-16  
Number of disk flowerfloret - Approximately 130  
Diameter of pedicel of the first flowercapitulum -  
10      Approximately 1.2 mm  
Length of pedicel of the first flowercapitulum -  
Approximately 3.3 cm  
Number of flowerscapitula per a flower clusterplant -  
Approximately 88  
15      Scent - Present  
CalyxPhyllaries:  
~~—— Degree of concavity — Flat~~  
~~Degree of recurvature~~Length - Approximately 1.2 mm  
Color - Very pale green (near R.H.S.C.C. No.130D)  
20      Anthocyanin coloration - Absent  
Pistil:  
Color - Vivid reddish purple (near R.H.S.C.C. No.80A)  
Number - 1  
Type - Style branches truncate (i.e., the top of the  
25      style is separated in[[to]] two and the shape of the top is  
truncated)  
Stamen:  
Color - Vivid reddish purple (near R.H.S.C.C. No.80A)  
Type - 5 anthers are connate, with separated filaments  
30      Blooming period - Start at the end of November or early  
December (cutting in July)  
Hardiness:  
Cold - Good  
Rain - Good

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Heat - Good

Resistance:

Disease - Good

Insect - Good

- 5 The botanical characteristics of a similar variety 'Midget', used for examination as a comparison variety are as follows.

Plant:

Growth habit - Dwarf

- 10 Height - Approximately 14 cm

Stem:

Thickness - Approximately 5.6 mm

Color - Moderate yellow green (near R.H.S.C.C. No. 139C)

Anthocyanin coloration - Present

- 15 Degree of anthocyanin coloration - Medium

Branching - Fair

Pubescence - Dense

~~Length of third internode below flag leaf~~ Internode length at the middle of main stem - Approximately 0.5 cm

- 20 Leaf:

Whole shape - Heart form with a swollen basal part, which is notched at where the basal part of the blade attaches to the petiole.

Depth of concavity of leaf margin - Medium

- 25 Type of convexity - Acute

Apex shape - Acute

Base shape - Cordate

Degree of Undulation - Fair

Length - Approximately 13.9 cm

- 30 Width - Approximately 10.3 cm

Diameter of petiole - Approximately 4.2 mm

Length of petiole - Approximately 4.7 cm

Color of upper surface - Grayish yellow green (near

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R.H.S.C.C. No.138A)

Color of reverse surface - Grayish yellow green (near

R.H.S.C.C. No.138B)

Anthocyanin coloration of reverse surface - Absent

5 Pubescence of upper surface - Present

Pubescence of reverse surface - Dense

Color of pubescence of reverse surface - White

Flower cluster (~~Single flowered~~ Gathering corymbs):

Shape of flower cluster - Flat

10 Diameter of flower cluster - Approximately 22 cm

Height of flower cluster - Approximately 8 cm

Capitula:

Transected shape of ~~corolla~~ capitula - Fairly closed

Diameter of ~~flower~~ capitula - Approximately 3.2 cm

15 ~~Size~~ Diameter of entire disk flower - Approximately 0.8 cm

Color of ~~petal~~ ray floret - Vivid reddish purple (near

R.H.S.C.C. No.74A)

Marginal variegation - Absent

Color of disk ~~flower~~ floret - Strong reddish purple (near

20 R.H.S.C.C. No.72A)

~~Petal~~ Ray floret length - Approximately 1.5 cm

~~Petal~~ Ray floret width - Approximately 0.8 cm

Shape of ~~petal~~ ray floret - Elliptical

Lengthwise warp of ~~petal~~ ray floret - Flat

25 Concavity of ~~petal~~ ray floret tip - Present

Shape of ~~petal~~ ray floret tip - Acute

Number of ray ~~flower~~ floret - Approximately 13

Number of disk ~~flower~~ floret - Approximately 86

Diameter of pedicel of the first ~~flower~~ capitulum -

30 Approximately 1.5 mm

Length of pedicel of the first ~~flower~~ capitulum -

Approximately 2.5 cm

Number of ~~flowers~~ capitula per a ~~flower cluster~~ plant -

Approximately 180

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Scent - Present

~~Calyx~~Phyllaries:

~~— Degree of concavity — Flat~~

~~Degree of recurvature~~Length - Approximately 2.2 mm

5 Color - Moderate yellow green (near R.H.S.C.C. No.139C)

Anthocyanin coloration - Absent

Pistil:

Color - Strong reddish purple (near R.H.S.C.C. No.72A)

Number - 1

10 Type - Style branches truncate (i.e., the top of the style is separated in[[to]] two and the shape of the top is truncated)

Stamen:

Color - Strong reddish purple (near R.H.S.C.C. No.72A)

15 Type - 5 anthers are connate, with separated filaments

Blooming period - January (Sowing in August)

Hardiness:

Cold - Good

Rain - Good

20 Heat - Good

Resistance:

Disease - Good

Insect - Good

#### SUMMARY OF THE NEW VARIETY

25 'Sunsenerapi' is a dome-shaped plant with an of height  
~~average~~height of approximately 31.8 cm in the blooming  
period[[ ]]. There is a branch from ~~every~~every node and  
branching is abundant, i.e., approximately 9 to 11 branches.  
The stem is approximately 4.8 mm in diameter with ~~few~~light  
30 pubescences.

The leaves are small, approximately 13.9 cm long,  
approximately 9.7 cm wide. The leaves are shaped in a  
serrated heart form with a swollen basal part, which is

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notched ~~[[at]]~~ where the basal part of the blade attaches to the petiole. The leaf color is moderate olive green, with no anthocyanin coloration on the reverse side. Pubescence on both sides of leaf is dense. The petiole is approximately  
5 10.0 cm long and approximately 3.4 mm in diameter.

The new variety has large flower clusters which are high and uneven in shape (i.e., the locations of the individual ~~flowers~~capitula forming the cluster are uneven or not flat). A flower cluster means a gathering of capitula ~~heads~~ in a  
10 ~~plant of the new variety. A head is a flower consisting of a disk and a plurality of petals, i.e. ray flowers. The capitulum~~flower is single flowered with no marginal variegation. The ~~corolla~~capitulum has a flat transected shape (i.e., when the ~~corolla~~capitulum opens, ~~petals~~ray florets are  
15 flat when viewed from the side). The ~~flower~~capitula is approximately 6.7 cm in diameter, while the entire disk flower is approximately 1.3 cm in diameter. The ~~petals~~ray florets ~~is~~are approximately 3.1 cm long and approximately 0.8 cm wide. The color of the ~~petal~~ray floret is light purplish pink (near  
20 R.H.S.C.C. No.75C), while the color of the disk florets ~~are~~[[is]] strong reddish purple (near R.H.S.C.C. No.77B). One ~~flower~~capitulum has approximately 13 ray ~~flowers~~florets and approximately 167 disk ~~flowers~~florets. A ray ~~flower~~floret has a pistil, but no stamen. A disk ~~flower~~floret is tubular and  
25 has a pistil and a stamen formed by 5 connate anthers with separated filaments. There are approximately 155 flowers ~~are in a flower cluster~~capitula per plant. ~~The degree of recurvature of calyx~~The length of phyllary is approximately 2.0 mm. The ~~calyx~~phyllary is flat and has no anthocyanin  
30 coloration. The Pedicel~~pedicel~~ is approximately 3.9 cm long and approximately 1.2 mm in diameter. The flowers have some scent.

~~Blooming period is medium and blooming term is long.~~  
After cutting in July, it flowers ~~start to bloom~~ at the end of

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the January in ~~Omeri-cho, Yokaichi-shi, Shiga-ken,~~ Japan. The blooming continues from January to May, if under appropriate control. By temperatures Aroundaround ~~a temperature of~~ 15°C, the individual bloom lasts two weeks. The flower buds grow one after another from the axil. The flower is not self-cleaning because ~~petals~~florets remain attached in a wilted and dry state as the flower fully matures.

The new variety has moderate cold ~~hardiness~~ and ~~resistance to~~ heat tolerance. The new variety does not die at around 0°C, but when frost occurs the cells can be necrosed resulting in the death of the plant. Usually, *Senecio cruentus* has a tendency of slightly reduced growth in a hot season, whereas the new variety has no problem in growing in the hot season.

The fertility of the new variety is low. Generally, *Senecio* genus plants have high fertility (i.e., bear many seeds per flower). In contrast, 'Sunsenerapi' bears no seed or very few seeds per flowercapitulum. When no seed is formed, there is a part corresponding to a seed coat, which remains in an immature state, i.e., without embryo and endosperm inside the immature seed coat.

The new variety, 'Sunsenerapi', differs from similar varieties, 'Sunsenere' and 'Midget', of the *Senecio* genus and from parent varieties *Senecio heritieri* and '8S-84e' in the following points.

1. 'Sunsenerapi' is a high type plant, approximately 31.8 cm in height. 'Sunsenere' is a high type plant, approximately 25 cm in height. 'Midget' is a compact type plant, approximately 14 cm in height. The pollen parent *Senecio heritieri* is a semi-compact type plant, approximately 26 cm in height and female plant '8S-84e' is a compact type plant, approximately 16 cm in height.

2. The flowercapitulum of 'Sunsenerapi' has light

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purplish pink ~~petals~~ray florets, strong reddish purple disk ~~flowers~~florets and no marginal variegation, ~~while. That of~~ 'Sunsenere' has vivid reddish purple ~~petals~~ray florets, deep reddish purple disk ~~flowers~~florets and no marginal  
5 variegation. ~~That of~~ 'Midget' has vivid reddish purple ~~petals~~ray florets, strong reddish purple disk ~~flowers~~florets and no marginal variegation. ~~The~~that of female parent '8S-84e' has white ~~petals~~ray florets, white disk florets and no marginal variegation. ~~The~~that of pollen parent *Senecio*  
10 *heritieri* has strong purple ~~petals~~ray florets, strong reddish purple disk ~~flowers~~florets and white marginal part.

3. The petiole length of 'Sunsenerapi' is longer than that of 'Sunsenere' or 'Midget'.

4. 'Sunsenerapi' has more pubescence of stems than ~~that~~  
15 ~~of~~ 'Sunsenere' and fewer than ~~that of~~ 'Midget'.

5. The blooming term of 'Sunsenerapi' is longer than ~~that of~~ 'Midget'.

6. The fertility of 'Sunsenerapi' is lower than ~~that of~~ 'Midget'.

20 The plant height and flower color are most distinctive characteristics of this new variety, 'Sunsenerapi'.

#### BRIEF DESCRIPTION OF THE DRAWING

Fig.1 is a photograph giving a partial view of the new variety of *Senecio* ~~genus~~-plant named 'Sunsenerapi' planted in  
25 a pot.

Fig.2 is a photograph of ~~flowers~~capitula of the new variety of *Senecio* ~~genus~~-plant named 'Sunsenerapi'.

#### DESCRIPTION OF THE NEW VARIETY

30 The botanical characteristics of this new and distinct variety of *Senecio* ~~genus~~-plant named 'Sunsenerapi' at an age of 7 months after cutting in July are as follows (i.e., these botanical characteristics were observed in January of the year



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following the cutting with the new variety planted in a 15 cm pot and grown in a greenhouse, the lowest temperature of which was controlled at 12°C in winter).

Plant:

- 5           Growth habit - Semi-dwarf erect  
            Height - Approximately 31.8 cm  
            Spread - Approximately 35 cm

Stem:

- Lateral stem length - Approximately 12.0 cm  
10          Lateral stem diameter - Approximately 3.5 mm  
            ~~Thickness - 4.8 mm~~  
            Color - Very pale green (~~near R.H.S.C.C. No.130D~~)  
            Anthocyanin coloration - Absent  
            Branching - Abundant, i.e., approximately 9 to 11  
15          branches  
            Type of primary lateral shoot - Branch from every node  
            Pubescence - Medium  
            ~~Length of third internode below flag leaf~~Internode length  
            at the middle of the main stem - Approximately 1.8 cm

20          Leaf:

- Whole shape - Heart form with a swollen basal part, which is notched [[at]] where the basal part of the blade attaches to the petiole.  
            Depth of concavity of leaf margin - The maximum depth of  
25          concavity measured from the average convexity peak height is approximately 5 mm.  
            Type of convexity - Acute  
            Apex shape - Acute  
            Base shape - Cordate  
30          ~~Degree of Undulation - Weak~~  
            Margin - Palmately lobed, crenate and weakly undulated  
            Length - Approximately 13.9 cm  
            Width - Approximately 9.7 cm

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Diameter of petiole - Approximately 3.4 mm

Length of petiole - Approximately 10.0 cm

Petiole color - near R.H.S. 145B

5      Color of upper surface - Moderate olive green (near  
R.H.S.~~C.C.~~ No.146A)

Color of reverse surface - Moderate yellow green (near  
R.H.S.~~C.C.~~ No.147D)

Anthocyanin coloration of reverse surface - Absent

Pubescence of upper surface - Sparse

10      Pubescence of reverse surface - Dense

Color of pubescence of reverse surface - White

Flower cluster (Gathering of corymbs)~~(Single flowered)~~:

Shape of flower cluster - Round

Diameter of flower cluster - Approximately 34 cm

15      Height of flower cluster - Approximately 22 cm

Capitula:

Transected shape of ~~corolla~~capitula - Flat

Diameter of ~~flower~~capitula - Approximately 6.7 cm

~~Size~~Diameter of entire disk flower - Approximately 1.3 cm

20      Color of ~~petal~~ray floret (upper) - Light purplish pink  
(near R.H.S.~~C.C.~~ No.75C); color of ray floret (lower) - near  
R.H.S. 76C

Marginal variegation - Absent

25      Color of disk ~~flower~~floret - Strong reddish purple (near  
R.H.S.~~C.C.~~ No.77B)

~~Petal~~Ray floret length - Approximately 3.1 cm

~~Petal~~Ray floret width - Approximately 0.8 cm

Ray floret margin - Entire

Base shape of ray floret - Obtuse

30      Shape of ~~petal~~ray floret - Long oblong

Lengthwise warp of ~~petal~~ray floret - Flat

Concavity of ~~petal~~ray floret tip - Present

Shape of ~~petal~~ray floret tip - Acute

Number of ray ~~flower~~floret - Approximately 13

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- Number of disk ~~flower~~floret - Approximately 167  
Diameter of pedicel of the first ~~flower~~capitulum -  
Approximately 1.2 mm  
Length of pedicel of the first ~~flower~~capitulum -  
5 Approximately 3.9 cm  
Color - Near R.H.S. 152B  
Number of ~~flowers~~capitula per a ~~flower cluster~~plant -  
Approximately 155  
Scent - Present  
10 Disk floret:  
Length - Approximately 8.5 mm  
Width - Approximately 2.0 mm  
Shape - Tubular trumpet shape.  
Calyx\*Phyllaries:  
15 Degree of concavity - Flat  
Number of phyllaries - Approximately 14  
Degree of recurvatureLength - Approximately 2.0 mm  
Color - Moderate yellow green (near R.H.S.C.C. No.139C)  
Anthocyanin coloration - Absent  
20 Shape - Lanceolate  
Apex - Acute  
Margin - Entire  
Base - Fused  
Bud:  
25 Diameter - Approximately 6.0 mm  
Length - Approximately 5.5 mm  
Shape - Globose  
Color - Near R.H.S. 144B  
Pistil:  
30 Color - Vivid purple (near R.H.S.C.C. No.82A)  
Number - 1 per ray and disk floret  
Type - Style branches truncate (i.e., the top of the  
style is separated in[[to]] two and the shape of the top is  
truncated)

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Stamen:

Color - Dark yellow (near R.H.S.C.C. No.153B)

Type - A disk floret has 5 connate anthers are connate,  
with separated filaments. Ray floret has no stamen.

5 Amount of pollen - Scarce

Pollen color - Near R.H.S. 21C

Blooming period - Start at the end of January (cutting in  
July)

Time to flower - Approximately 6 months

10 Hardiness:

Cold - Good

Rain - Good

Heat - Good

Resistance:

15 Disease - Good

Insect - Good

20 The new variety and *Senecio cruentus* have similar  
resistance to powdery mildew, leaf spot, aphid, whitefly, and  
thrips. The new variety, 'Sunsenerapi', is a tall type plant  
and most suitable for flower potting.

This new and distinct variety of *Senecio* ~~genus~~-plant  
named 'Sunsenerapi' was asexually reproduced by cutting at  
Omori-cho, Yokaichi-shi, Shiga-ken, Japan and the homogeneity  
and stability thereof were confirmed.